Chapter 1 : Integers

WORKSHEET

1. Fill in the blanks :

(*i*) The difference between the smallest positive integer and the greatest negative integer is ..... .

(*ii*) ..... ÷ 256 = – 3.

(*iii*) The product of a positive integer and a negative integer is a ..... integer.

(*iv*) 15625 × (– 2) + ... × 98 = (– 15625) × (2 + 98).

(*v*) When zero is divided by a non-zero integer, the quotient is ..... .

(*vi*) The successor of (– 99) is ..... .

(*vii*) Every positive integer is ..... than 0 and every negative integer is ..... than 0.

(*viii*) The additive inverse of – 1 is ..... .

(*ix*) On subtracting – 9 from 0, we get ..... .

(*x*) The product of 7 negative integers and 3 negative integers is a ..... .

2. State whether the following statements are 'true' or 'false' :

(*i*) The number –21 is to the left of –20 on the number line. ☐

(*ii*) Zero is a positive integer. ☐

(*iii*) 7 – (– 3) = 7 + 3. ☐

(*iv*) If the number of negative integers being multiplied is even, the product is positive. ☐

(*v*) (96 ÷ 4) ÷ 2 ≠ 96 ÷ (4 ÷ 2). ☐

(*vi*) The integer which is its own additive inverse is 0. ☐

(*vii*) If an integer is divided by 1, the result is the integer itself. ☐

(*viii*) Division of integers is commutative. ☐

(*ix*) (– 7) × {6 × (– 5)} = {(– 7) × 6} × (– 5). ☐

(*x*) If *a*, *b*, and *c* are any three integers, then $a \times (b + c) = a \times b + a \times c$. ☐